

PHOENIX TEST-LAB GmbH  
Product Certification  
Königswinkel 10  
D 32825 Blomberg  
Germany

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To Whom It May Concern:

## Request for Class II Permissive Change

FCC ID: WRMRFU630 / Grant Date: 12/22/2011  
IC: 10066A-RFU630 / Approval Date: 2012-01-13

Pursuant to FCC §2.1043 and Industry Canada RSP-100, the Sick AG hereby requests a Class II Permissive Change to cover following modifications:

(1) The Power Amplifier of our RFID Reader Family RFU630-13101, RFU630-04101 and RFU630-10101 had to be replaced due to an End of Life Notification. The old design consists of a single stage power amplifier from vendor Mitsubishi (RA01L8693MA). The new design consists of a two stage solution including a pre amplifier and a power amplifier from vendor Avago. The integrated circuit MGA-30689 is used as pre amplifier and the ALM-32120 is used as power amplifier, respectively.

The power supply of the amplifier circuit was not changed.


(2) Furthermore, some modifications were figured out which do not influence the RF part of the device. Optional circuits for measuring the reflected power and using external VCO, which were not used (unstuffed) in the old design, were deleted from the PCB layout.

(3) The max output power of the device was not changed with this modification. Also the large signal behavior was kept as similar as possible.

(4) We want to include the additional antennas as documented.

Sincerely,

*Andreas Günther*  
Manager Research & Development Group  
SICK AG  
Merkurring 20, 22143 Hamburg  
Tel.: +49 40 611 680 236  
Fax.: +49 40 611 680 201  
E-Mail: [andreas.guenther@sick.de](mailto:andreas.guenther@sick.de)

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